

Title (en)

RECOMBINANT HUMAN CC10 AND COMPOSITIONS THEREOF FOR USE IN THE TREATMENT OF NASAL RHINITIS

Title (de)

REKOMBINANTER HUMANER CC10 UND ZUSAMMENSETZUNGEN DAFÜR ZUR VERWENDUNG BEI DER BEHANDLUNG VON NASALER RHINITIS

Title (fr)

PROTÉINE RECOMBINÉE HUMAINE CC10 ET COMPOSITIONS LA CONTENANT POUR LE TRAITEMENT DE LA RHINITE NASALE

Publication

EP 2303308 A4 20121107 (EN)

Application

EP 09747353 A 20090512

Priority

- US 2009043613 W 20090512
- US 5286108 P 20080513

Abstract (en)

[origin: WO2009140269A2] The present invention relates generally to the use of recombinant human CC10 (rhCC10), also known as recombinant human uteroglobin, for use as a therapeutic in the treatment of nasal rhinitis, nasal sinusitis, chronic rhinosinusitis, and nasal polyposis. More particularly, the invention provides methods, including broadly the critical dosage ranges of rhCC10 and intranasal route of administration, which may be administered to safely and effectively treat the aforementioned conditions. The invention further provides a composition useful in administering rhCC10 to humans.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

- [XY] US 2006025348 A1 20060202 - PILON APRILE L [US], et al
- [XY] WO 03057257 A1 20030717 - UNIV JOHNS HOPKINS [US], et al
- [Y] SHIJUBO NORIHARU ET AL: "Clara cell protein-positive epithelial cells are reduced in small airways of asthmatics", AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE, vol. 160, no. 3, September 1999 (1999-09-01), pages 930 - 933, XP002684053, ISSN: 1073-449X
- [Y] JOHANSSON S ET AL: "Low levels of CC16 in nasal fluid of children with birch pollen-induced rhinitis", ALLERGY: EUROPEAN JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY 200505 GB LNKD- DOI:10.1111/J.1398-9995.2005.00775.X, vol. 60, no. 5, May 2005 (2005-05-01), pages 638 - 642, XP002684054, ISSN: 0105-4538
- [Y] LIU Z; LU X; ZHANG X H; LONG X B; WANG H; YOU X J; GAO Q X; CUI Y H: "CC10 expression and its cytokine-driven regulation in chronic rhinosinusitis", JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY, vol. 121, no. 2, Suppl. 1, February 2008 (2008-02-01), 64TH ANNUAL MEETING OF THE AMERICAN-ACADEMY-OF-ALLERGY-ASTHMA-AND-IMMUNOLOGY; PHILADELPHIA, PA, USA; MARCH 14 -18, 2008, pages S72, XP022548391, ISSN: 0091-6749
- See references of WO 2009140269A2

Citation (examination)

LIU Z ET AL: "Gene expression profiles in human nasal polyp tissues studied by means of DNA microarray", JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY, ELSEVIER, AMSTERDAM, NL, vol. 114, no. 4, 1 October 2004 (2004-10-01), pages 783 - 790, XP027178321, ISSN: 0091-6749, [retrieved on 20041007]

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DOCDB simple family (publication)

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EP 3085382 A1 20161026; IL 208940 A0 20110131; JP 2011520894 A 20110721; JP 5773437 B2 20150902; KR 20110014199 A 20110210;
MX 2010012234 A 20110303; NZ 588895 A 20120727; NZ 600803 A 20131220; US 2011240012 A1 20111006; US 2016158315 A1 20160609;
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CN 200980116919 A 20090512; EP 09747353 A 20090512; EP 16164414 A 20090512; IL 20894010 A 20101026; JP 2011509615 A 20090512;
KR 20107028003 A 20090512; MX 2010012234 A 20090512; NZ 58889509 A 20090512; NZ 60080309 A 20090512;
US 201615042790 A 20160212; US 201715809357 A 20171110; US 94562210 A 20101112